

Figure 1

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

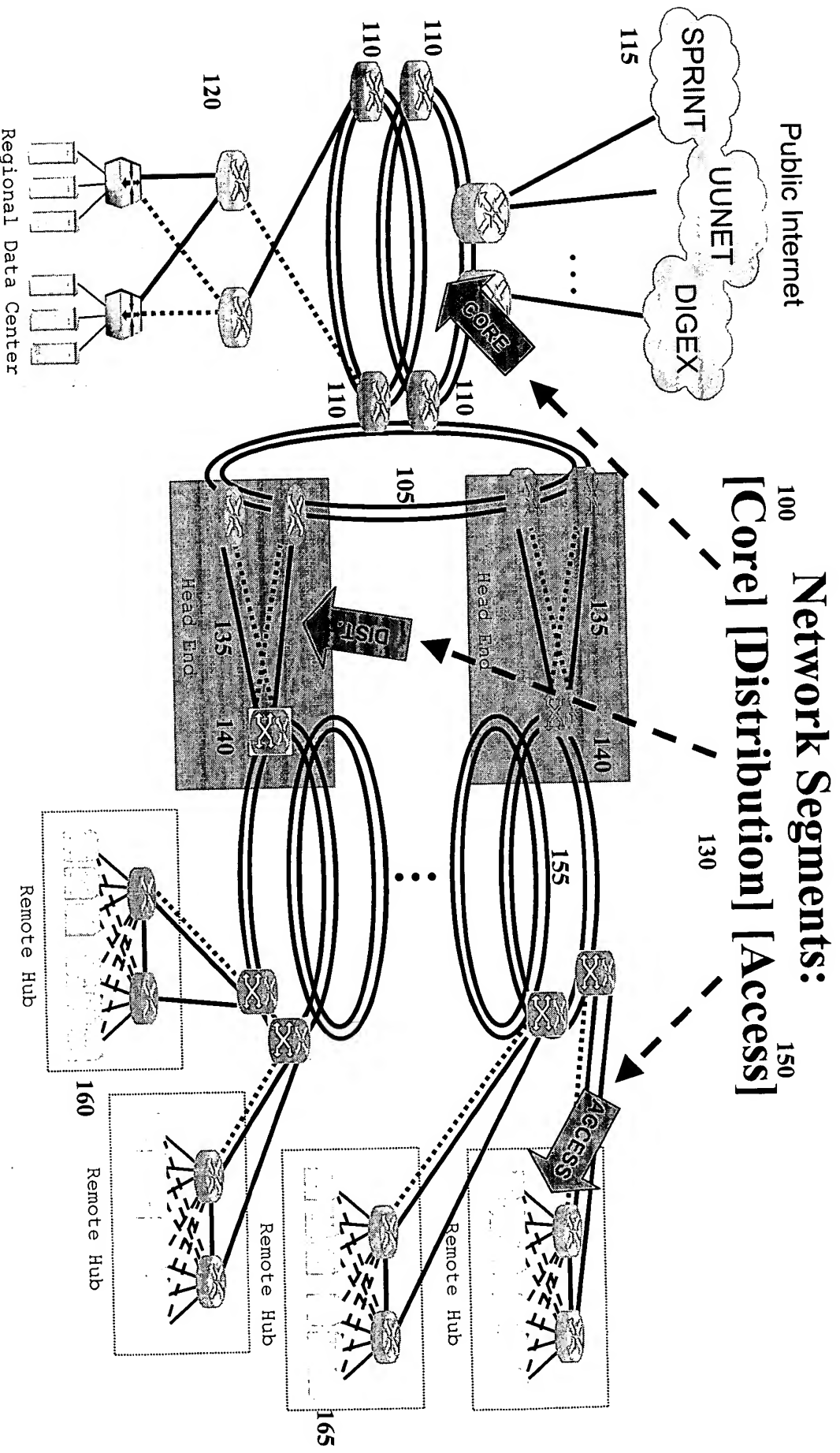


Figure 2

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

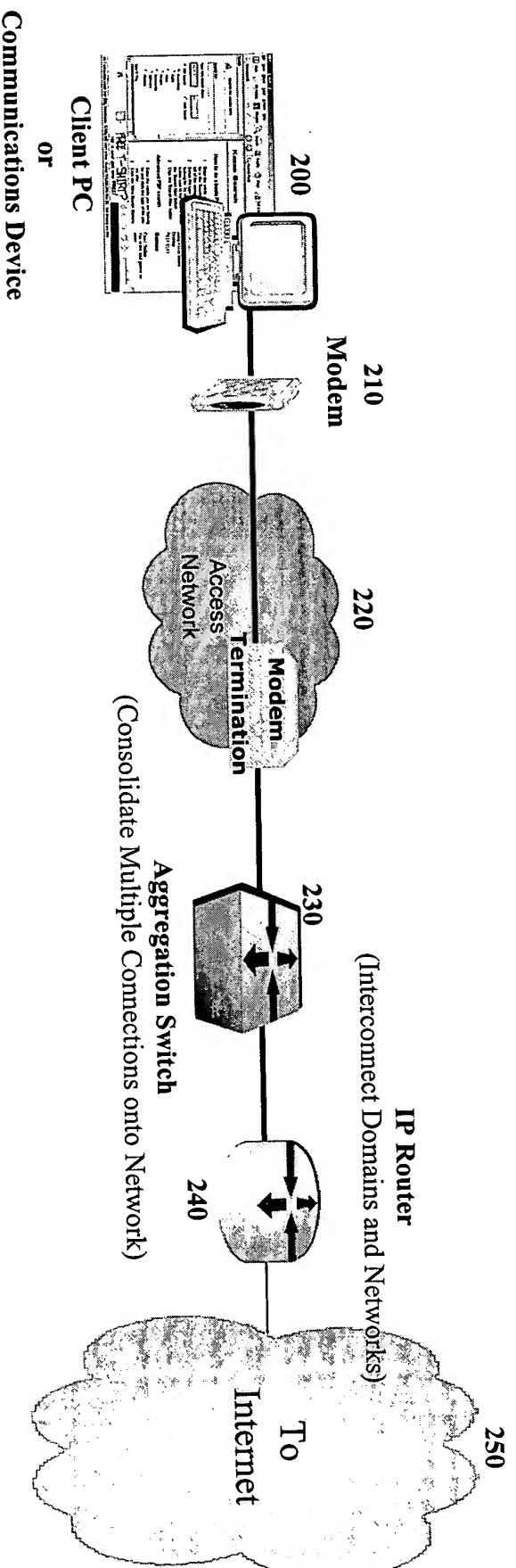


Figure 3

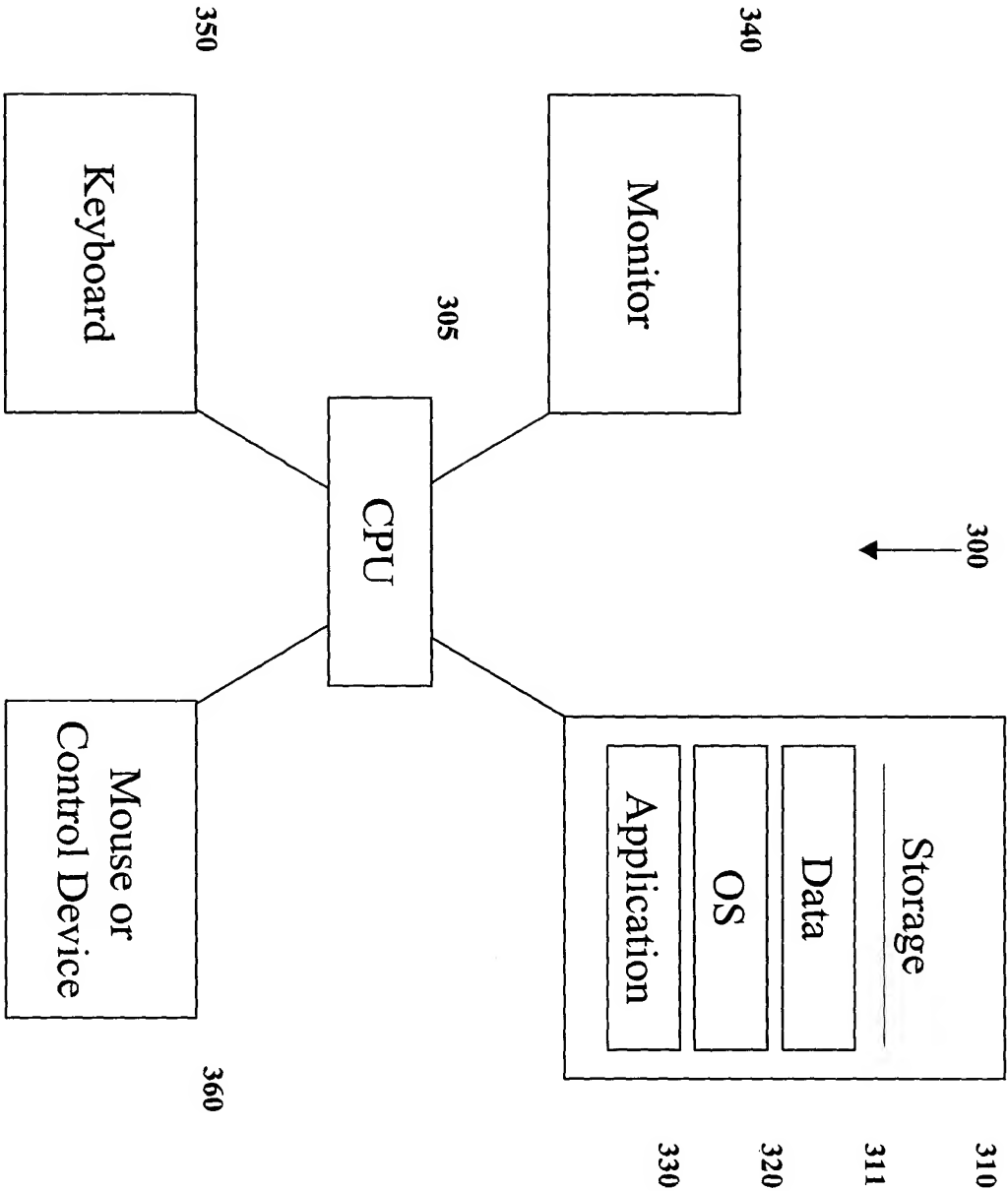


Figure 4

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

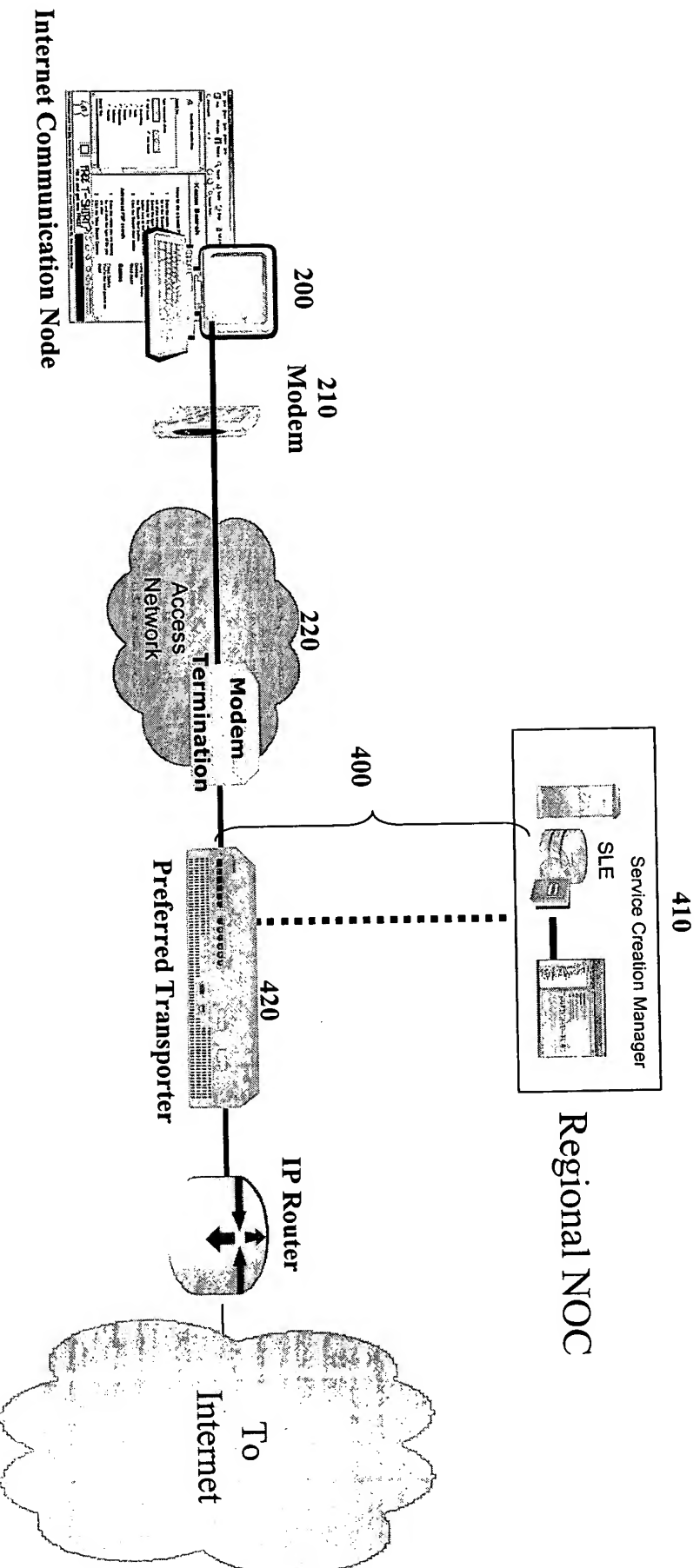


Figure 5

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

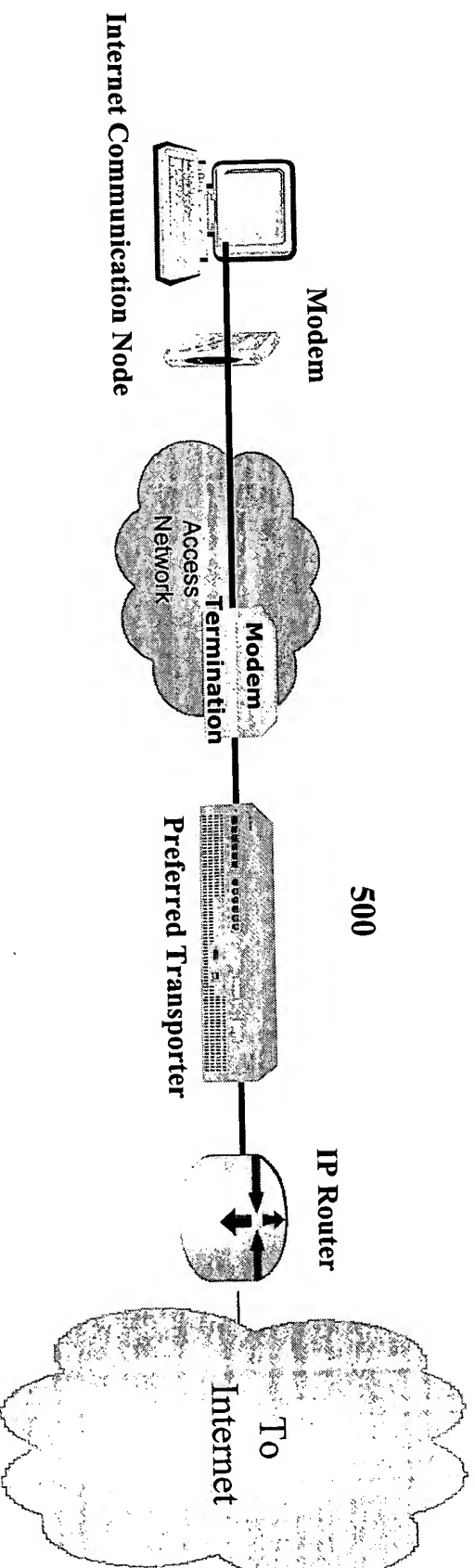


Figure 6

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

In Client/Server
networks, nodes
act only as clients

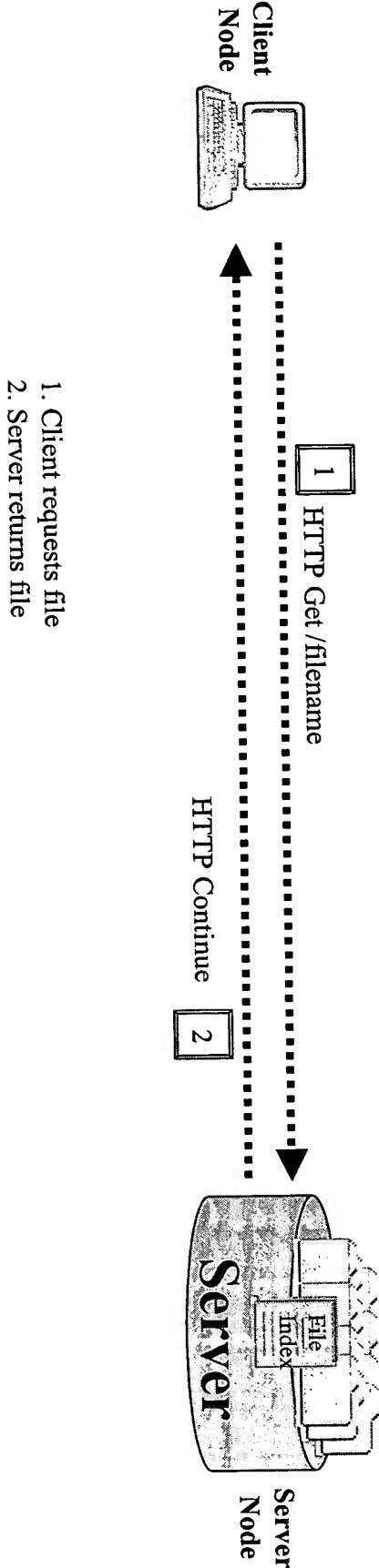


Figure 7

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

**In Client/Server
networks, nodes
act only as clients**

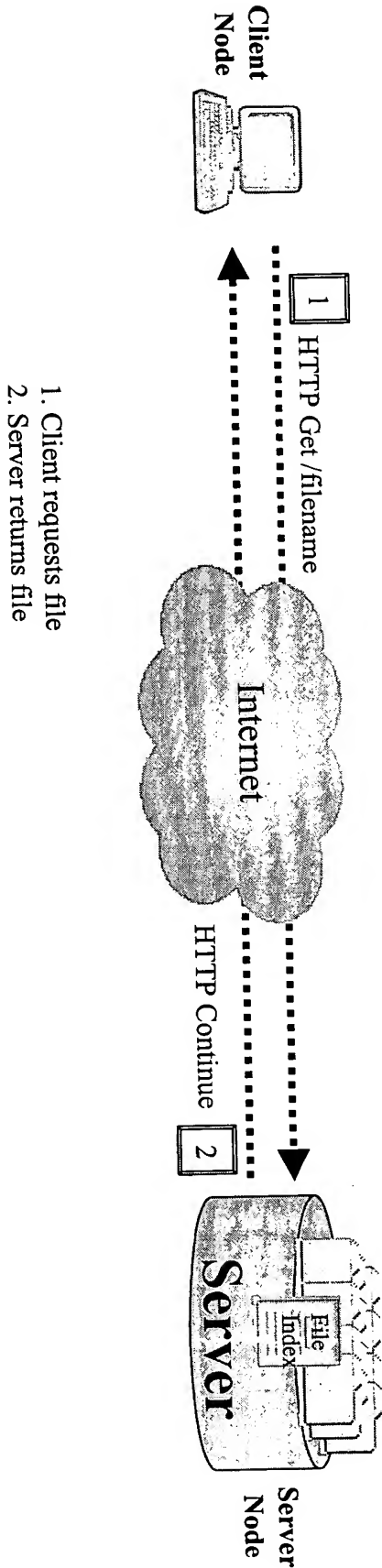


Figure 8

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

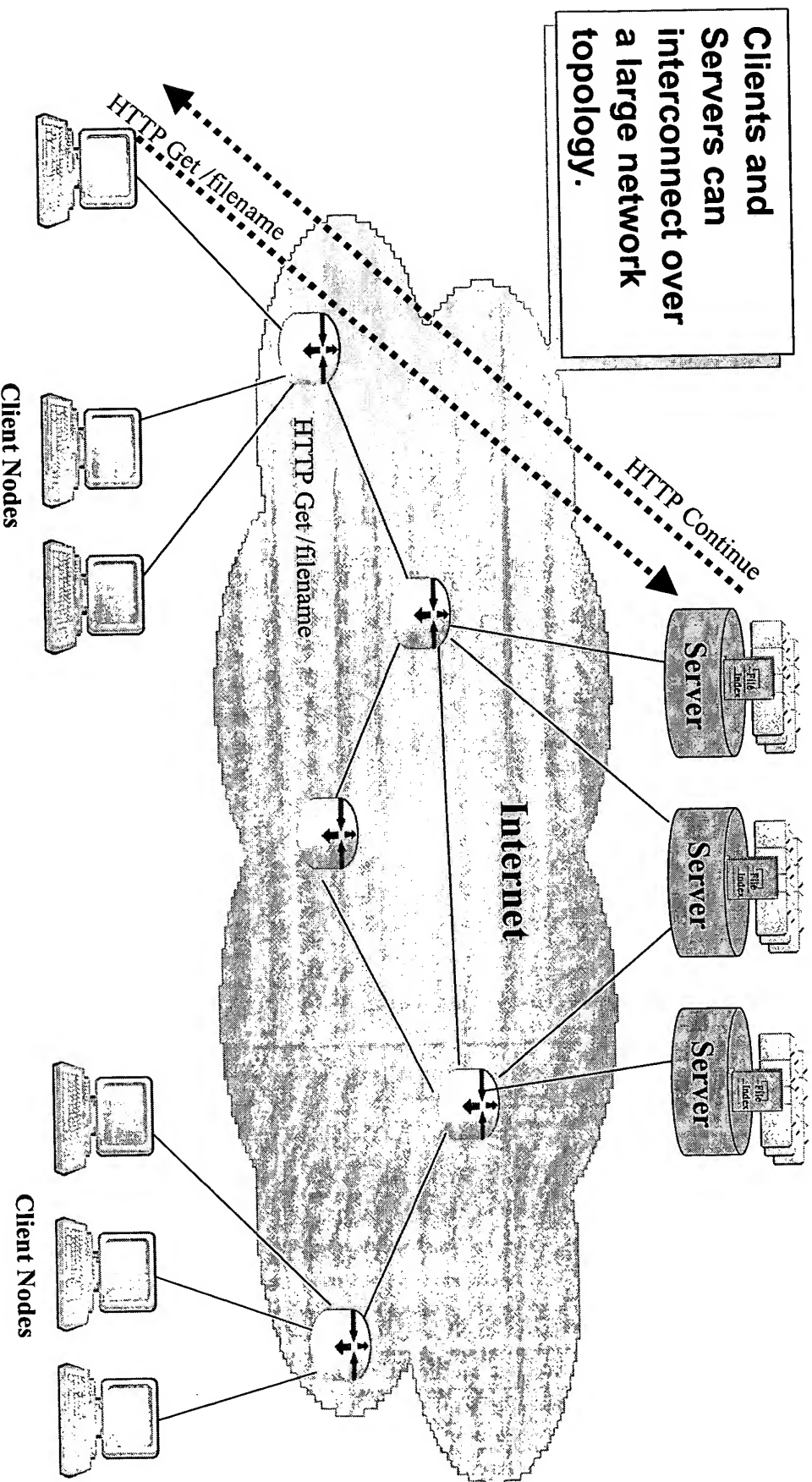


Figure 9

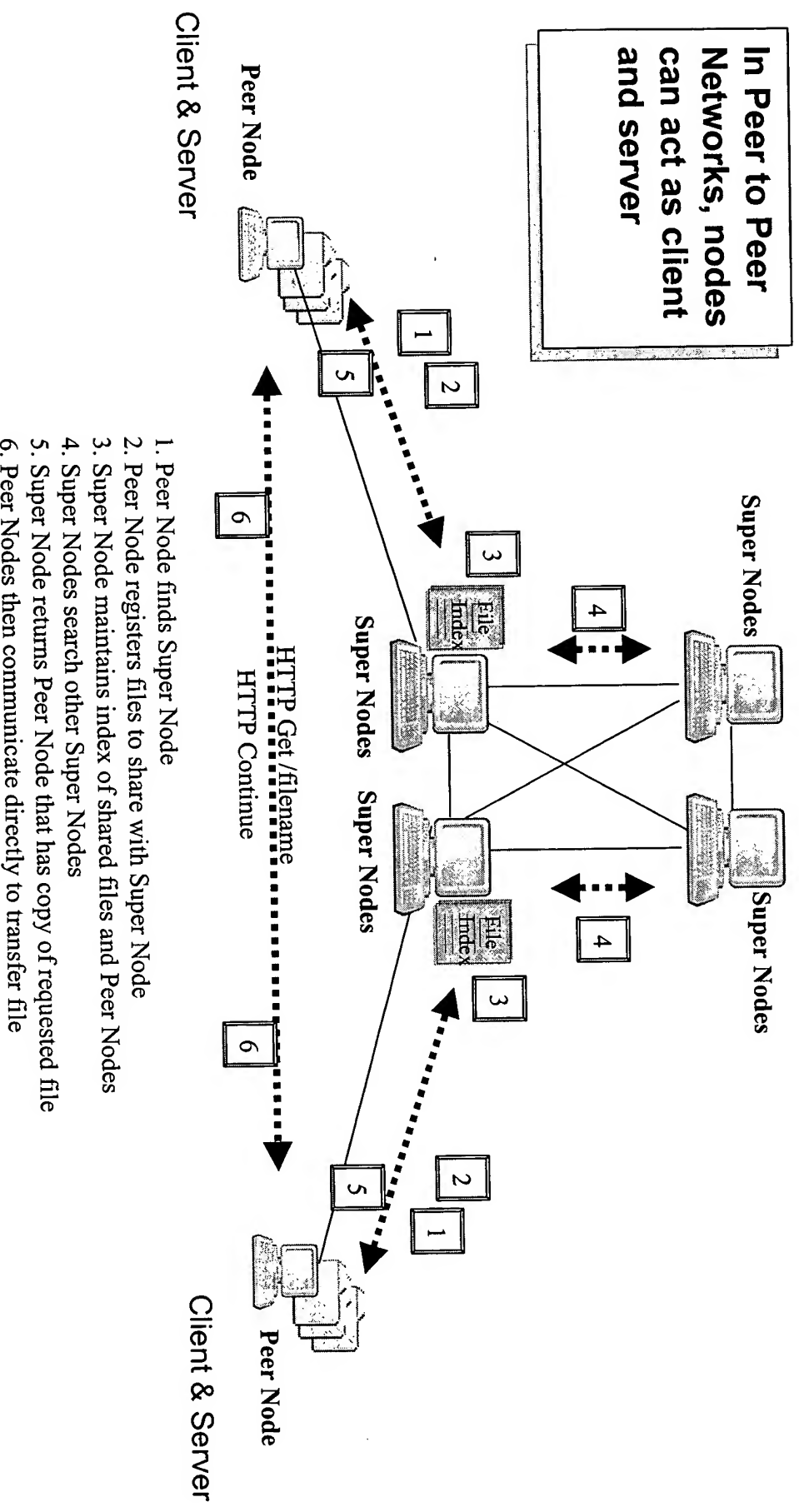


Figure 10

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

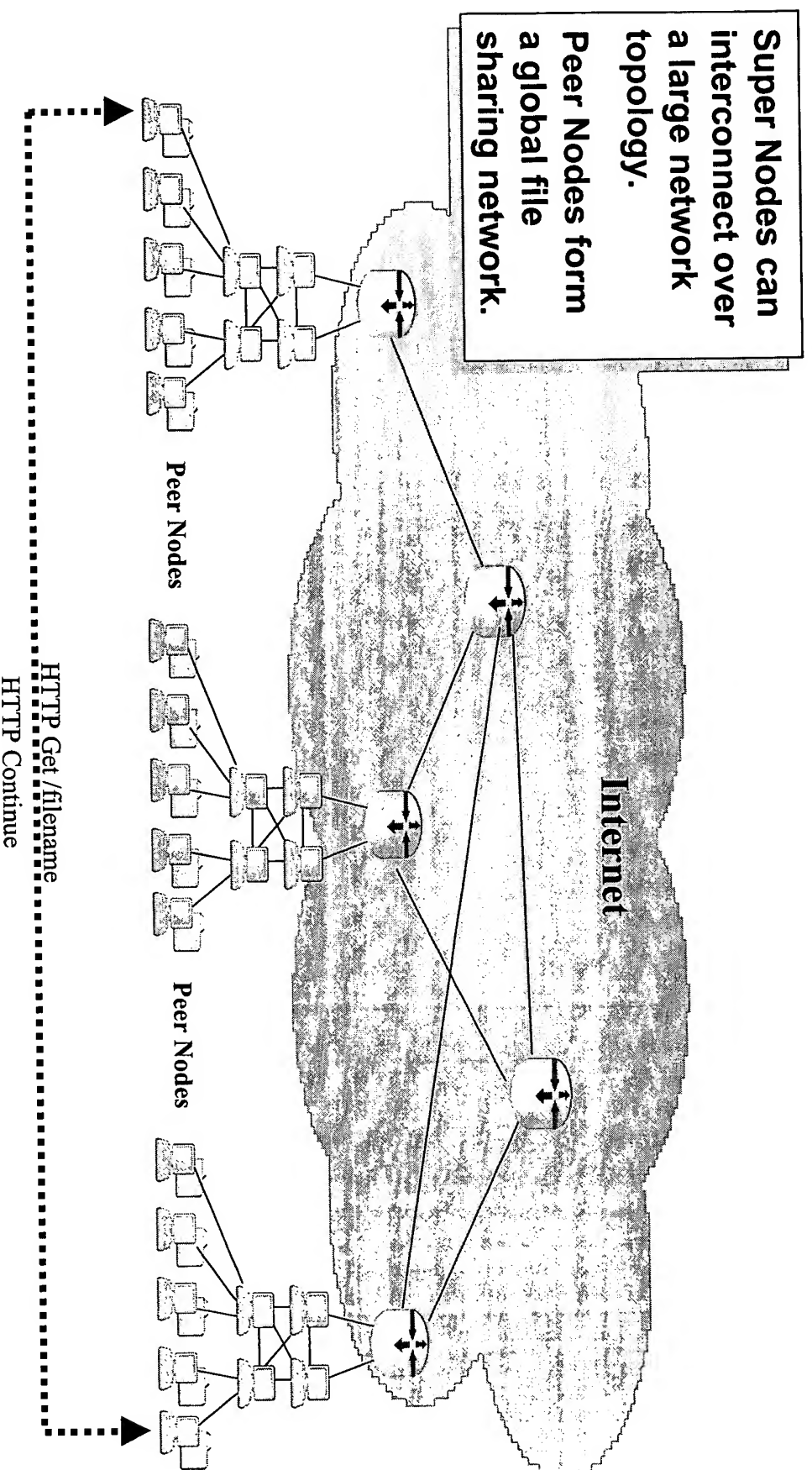
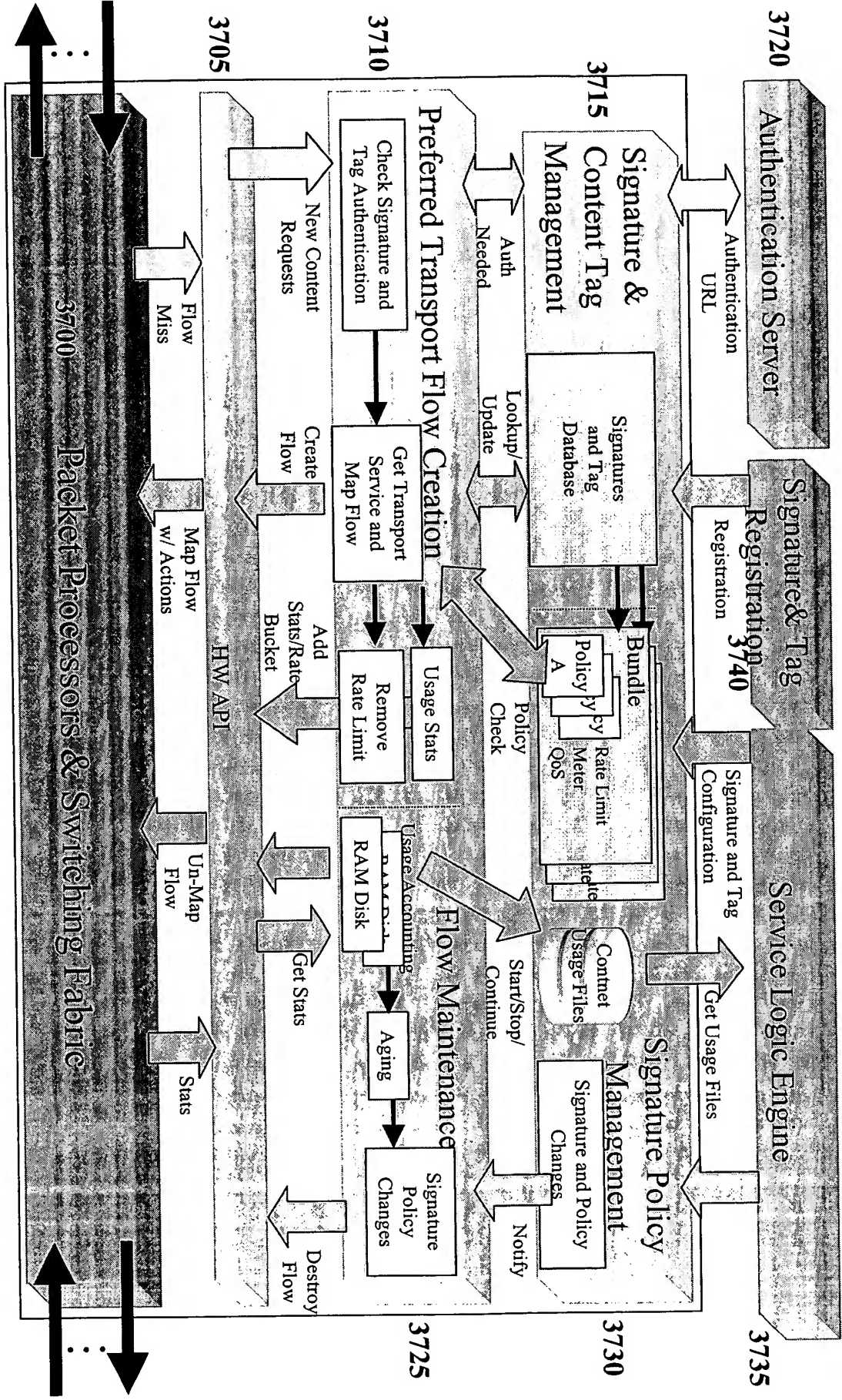


Figure 11

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.



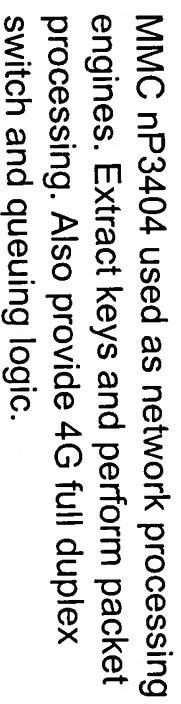


Figure 13

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

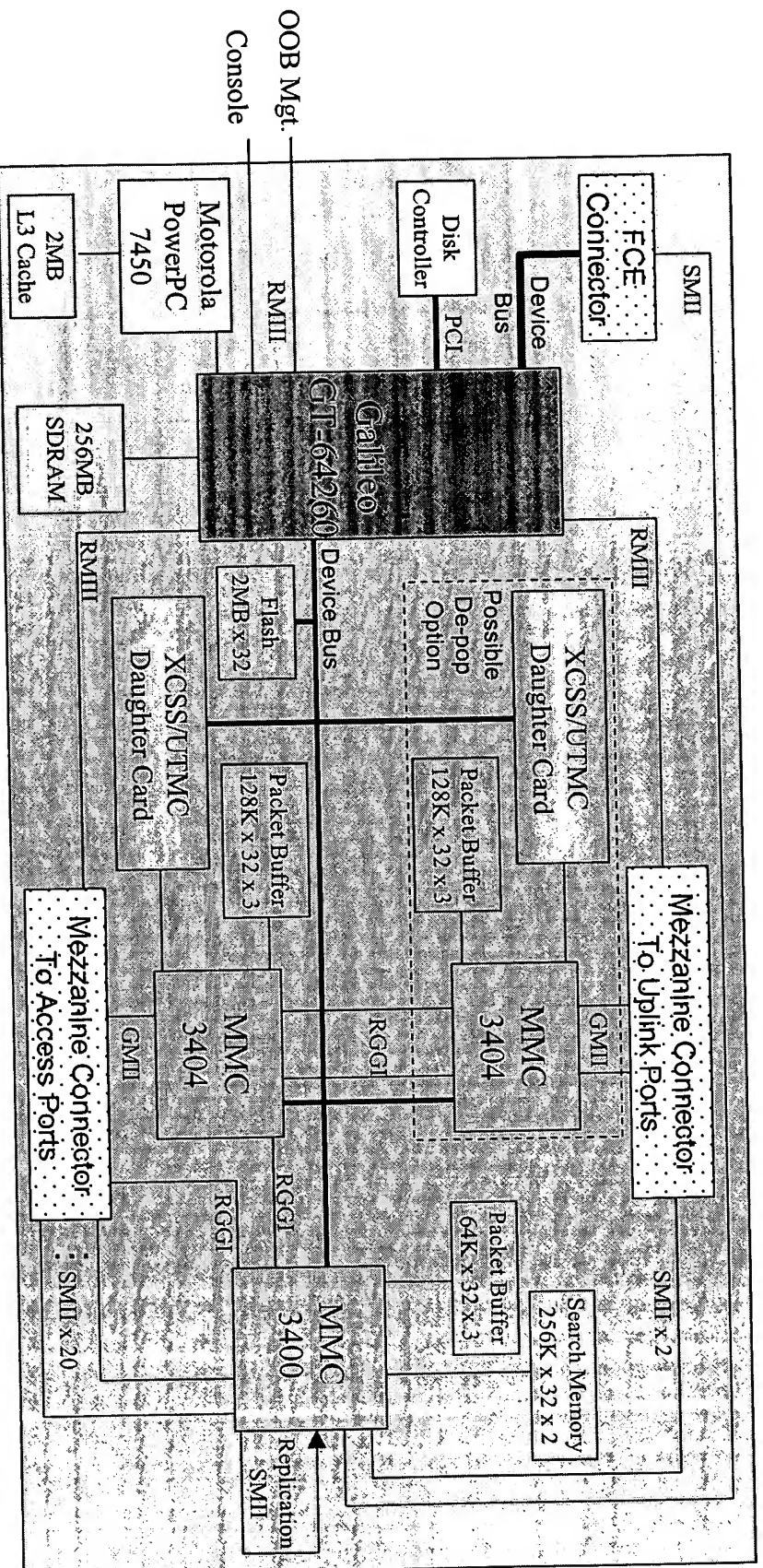


Figure 14

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

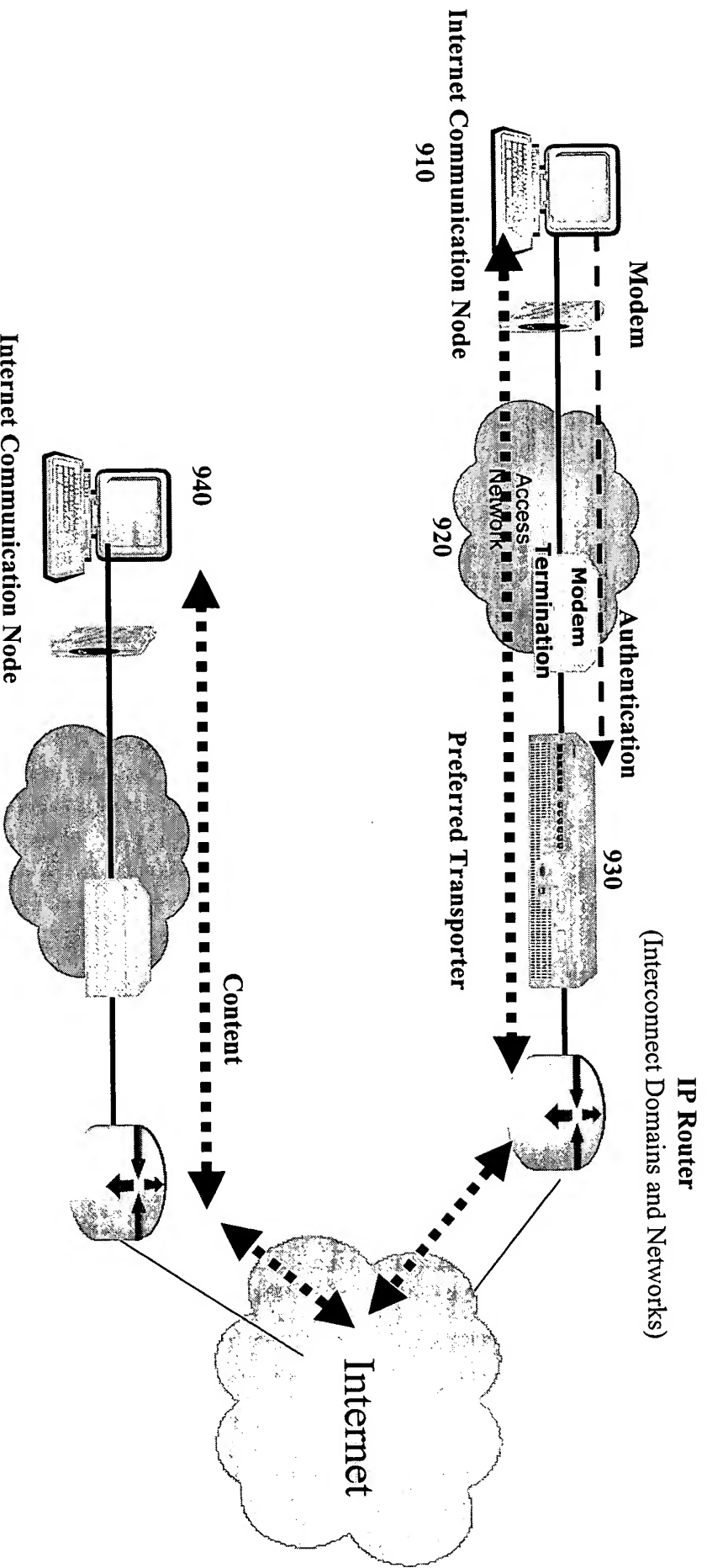


Figure 15

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

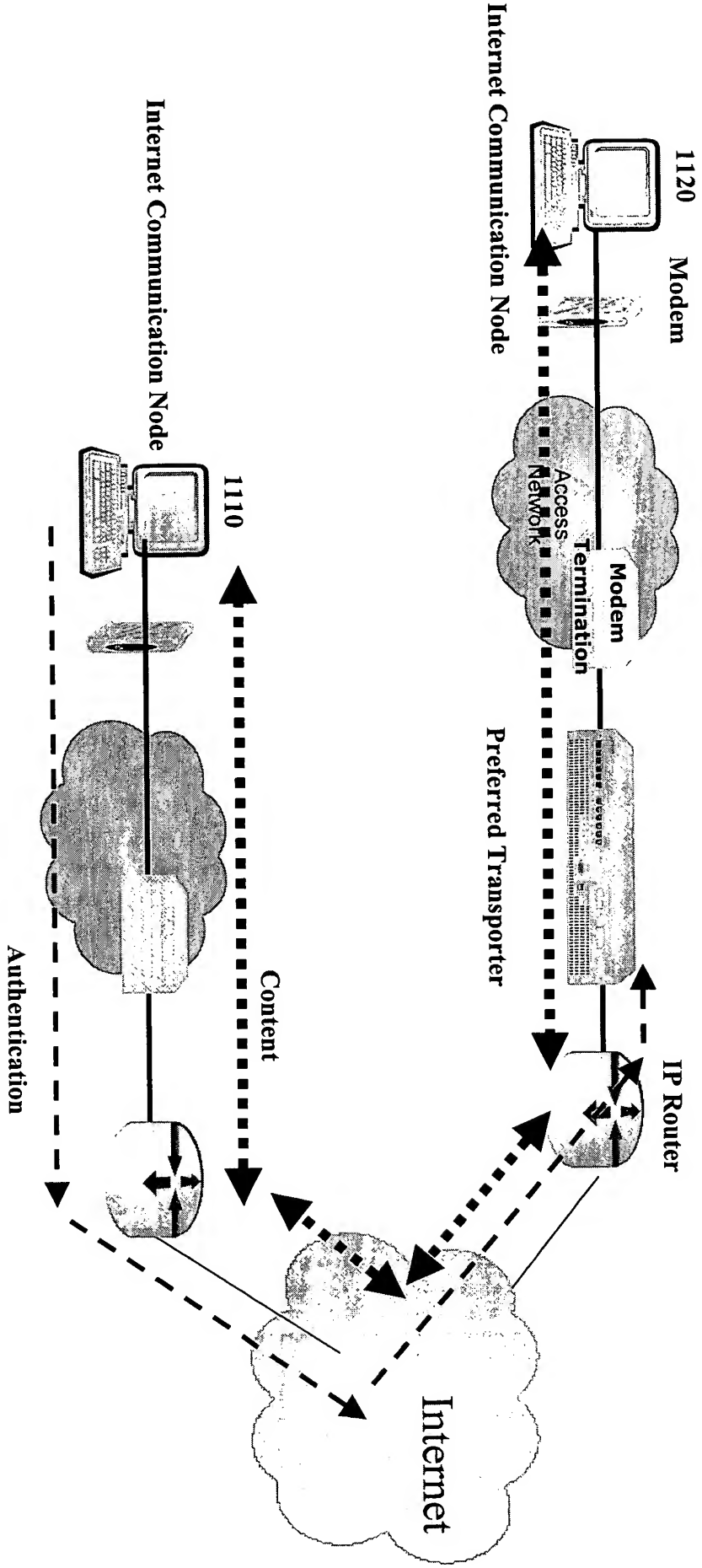


Figure 16

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

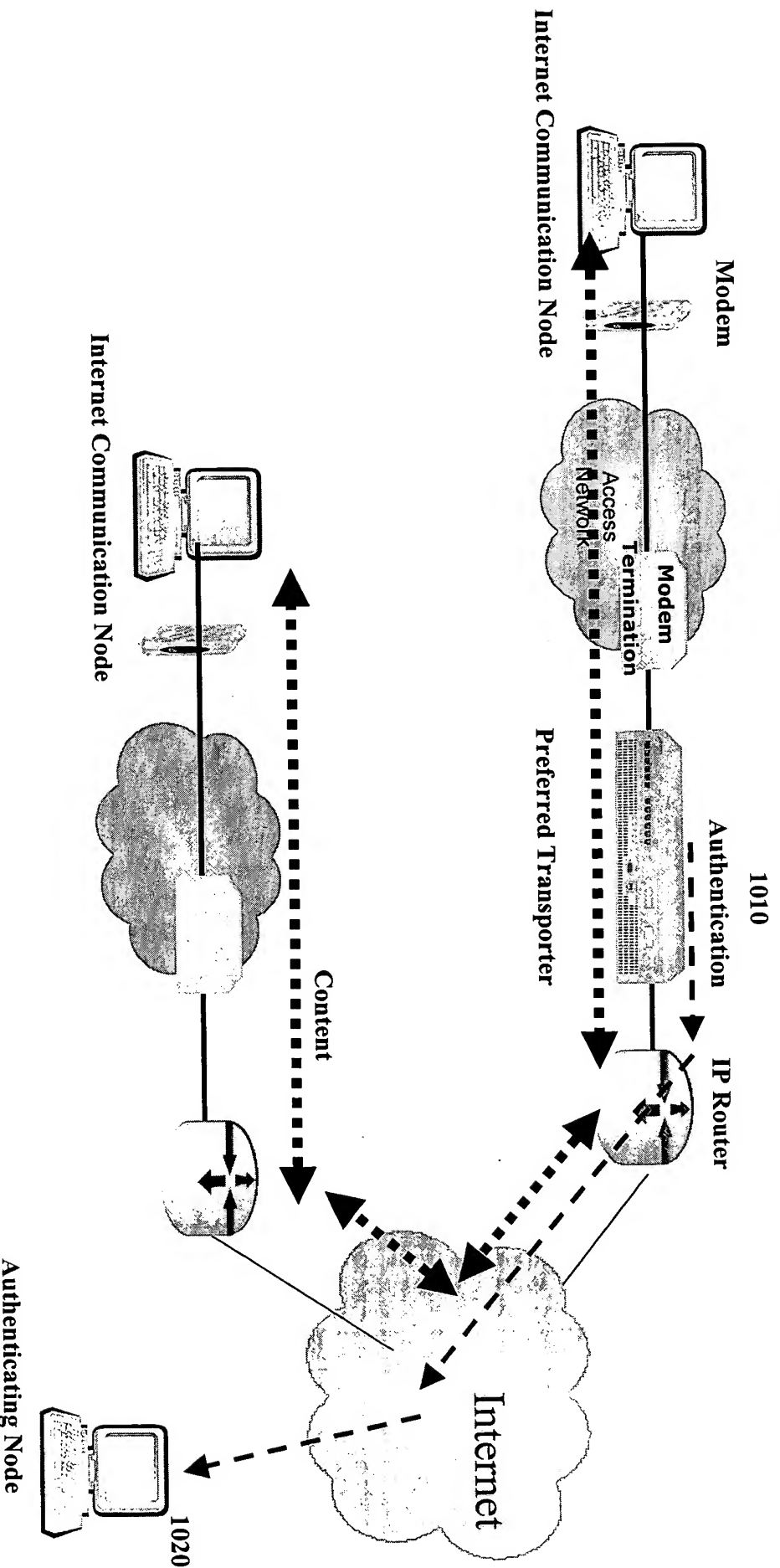


Figure 17

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3							
Tag Identifier								Tag Length				Tag Version				Reserved				Transport Service				Authenticated Transport				Reserved											
Content Class/Type Encoded OID																																Content Application Encoded OID							
Content Originator Encoded OID																																Content Meta Data Encoded OID							
Authentication URL																																							

Figure 18

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

Field	Length (bytes)	Description	Comments
Tag ID	4	Well-known tag identifier. Allows different tag types to be supported	Value set to "AUTH"
Tag Length	4	Indicates the remaining length of the tag.	Maximum Length of 128 bytes
Tag Version	4	Version of Tag Structure	Value set to "1.0"
Reserved	4	Reserved for Future Use	Unused
Transport Service	4	Preferred Transport Bit Mask for Transport Service Preference.	1 = No Rate Limit 2 = No Byte Cap 4 = On-Demand BW 8 = BLOCK ACCESS
Authenticated Transport	4	Digital Signature used to authenticate preferred transport	
Reserved	8	Reserved for Future Use	Unused
Content Class/Type	16	OID syntax from Content Class naming tree.	Encoded using ASN.1 BER {tag/len/value}
Content Application	16	OID syntax from Application naming tree.	Encoded using ASN.1 BER {tag/len/value}
Content Originator	16	OID syntax from Content Originator naming tree.	Encoded using ASN.1 BER {tag/len/value}
Content Meta Data	16	OID syntax from Content Meta Data naming tree.	Encoded using ASN.1 BER {tag/len/value}
Authentication URL	32	URL of authentication server	

Figure 19

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

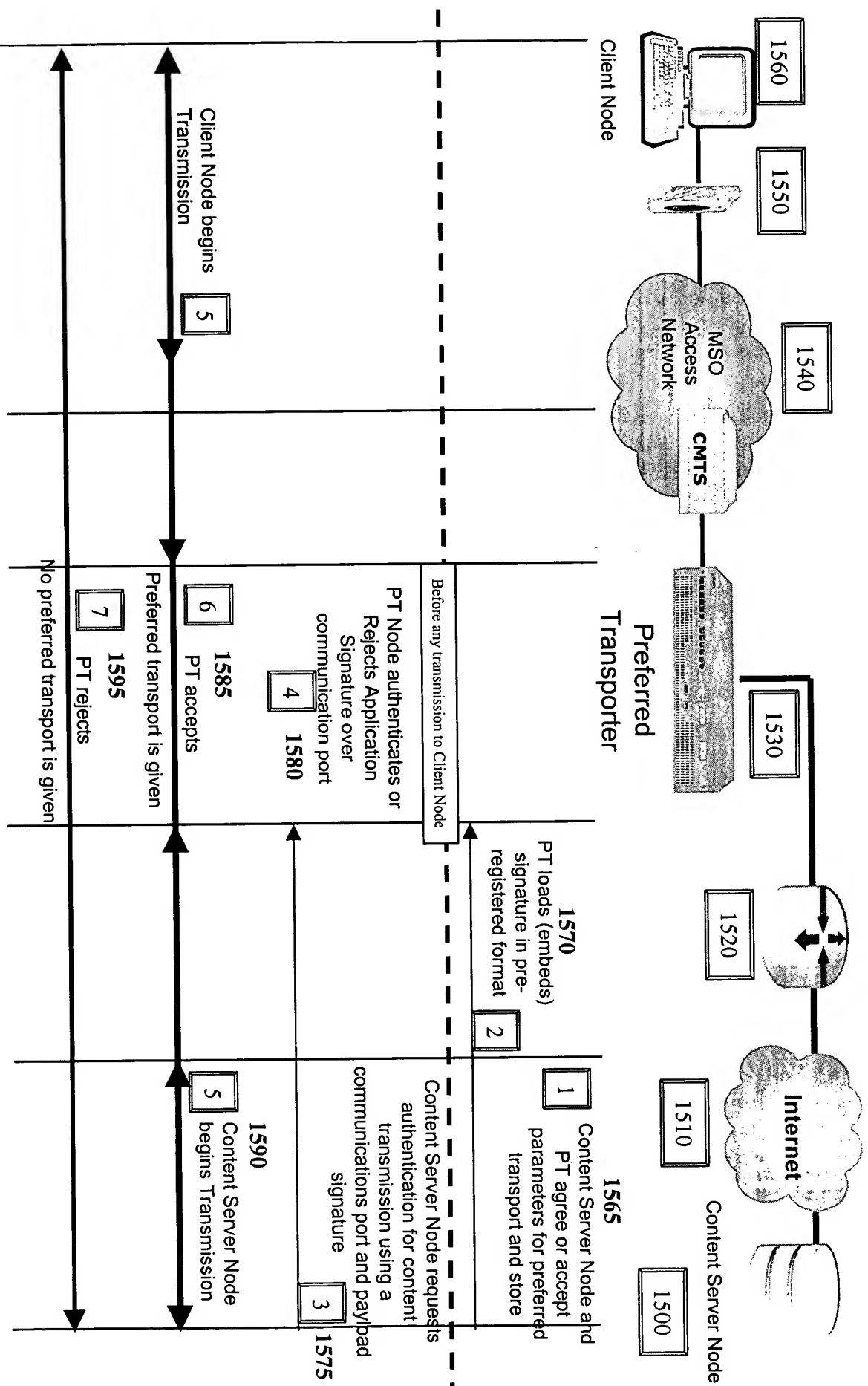


Figure 19a

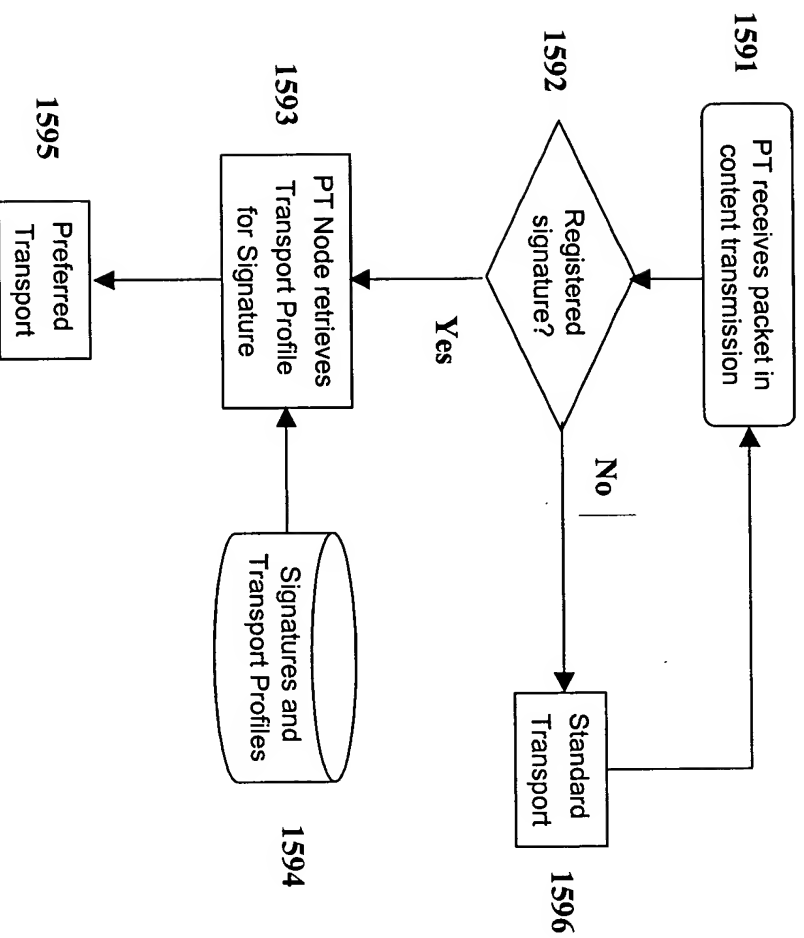


Figure 20

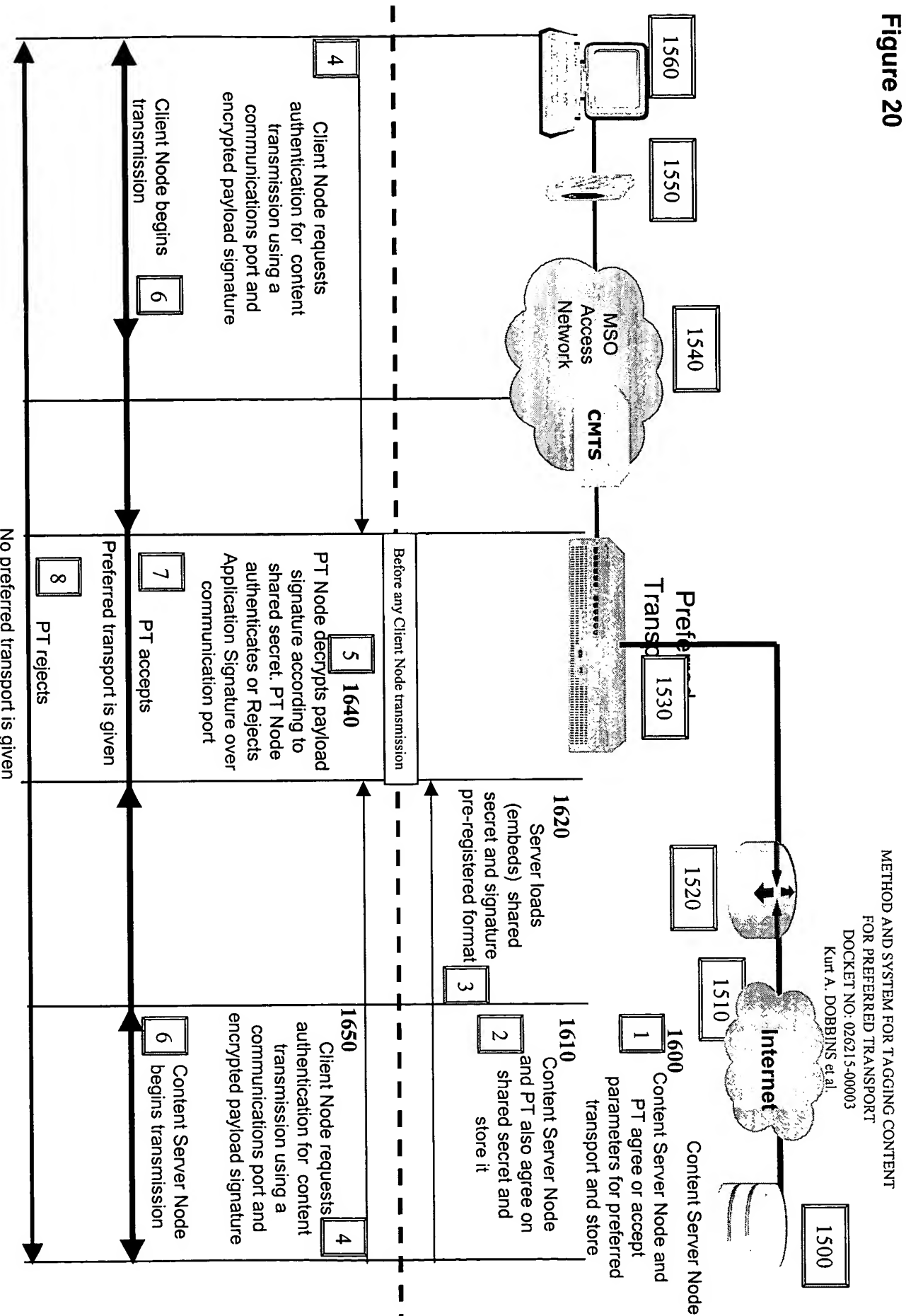


Figure 20a

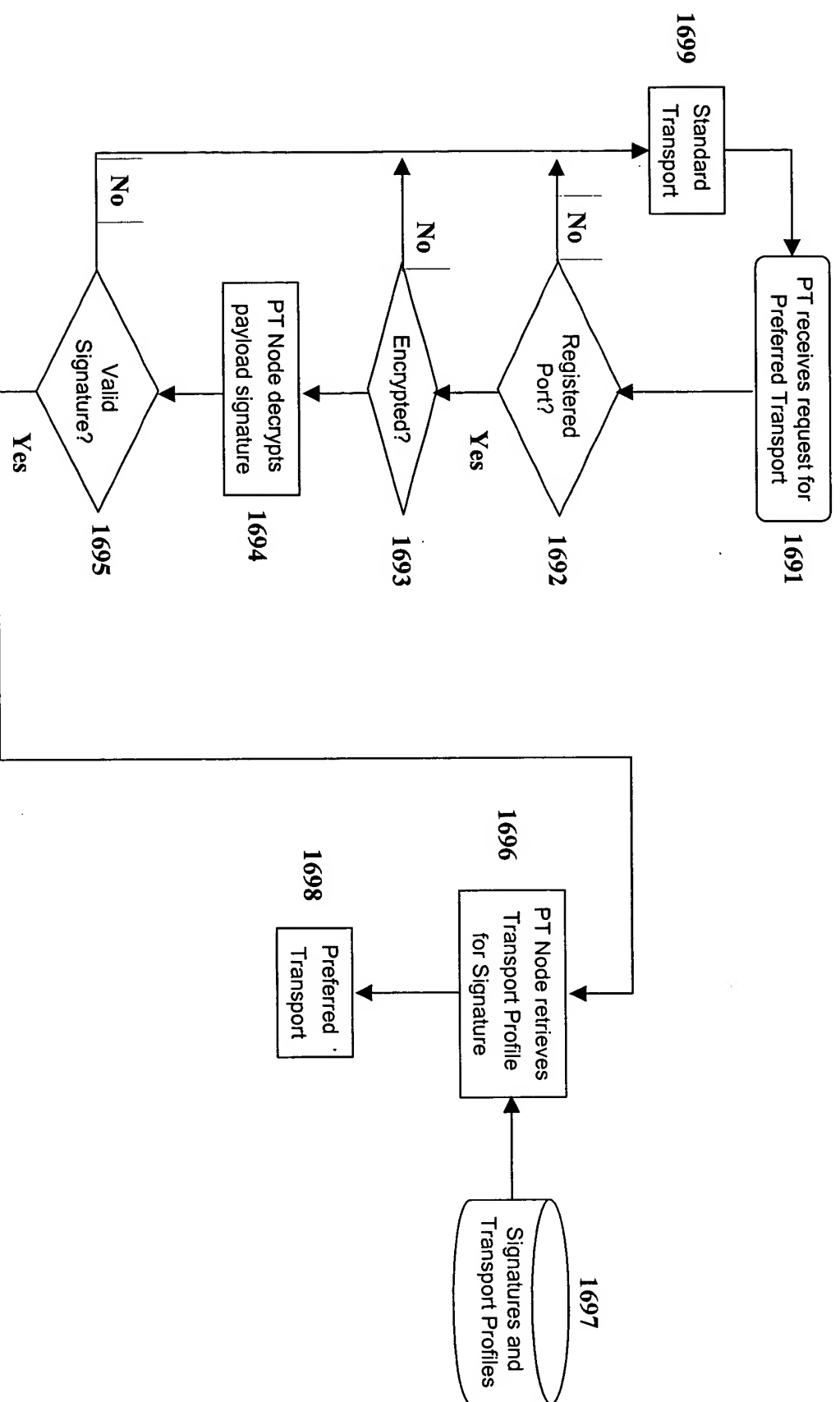


Fig 21

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

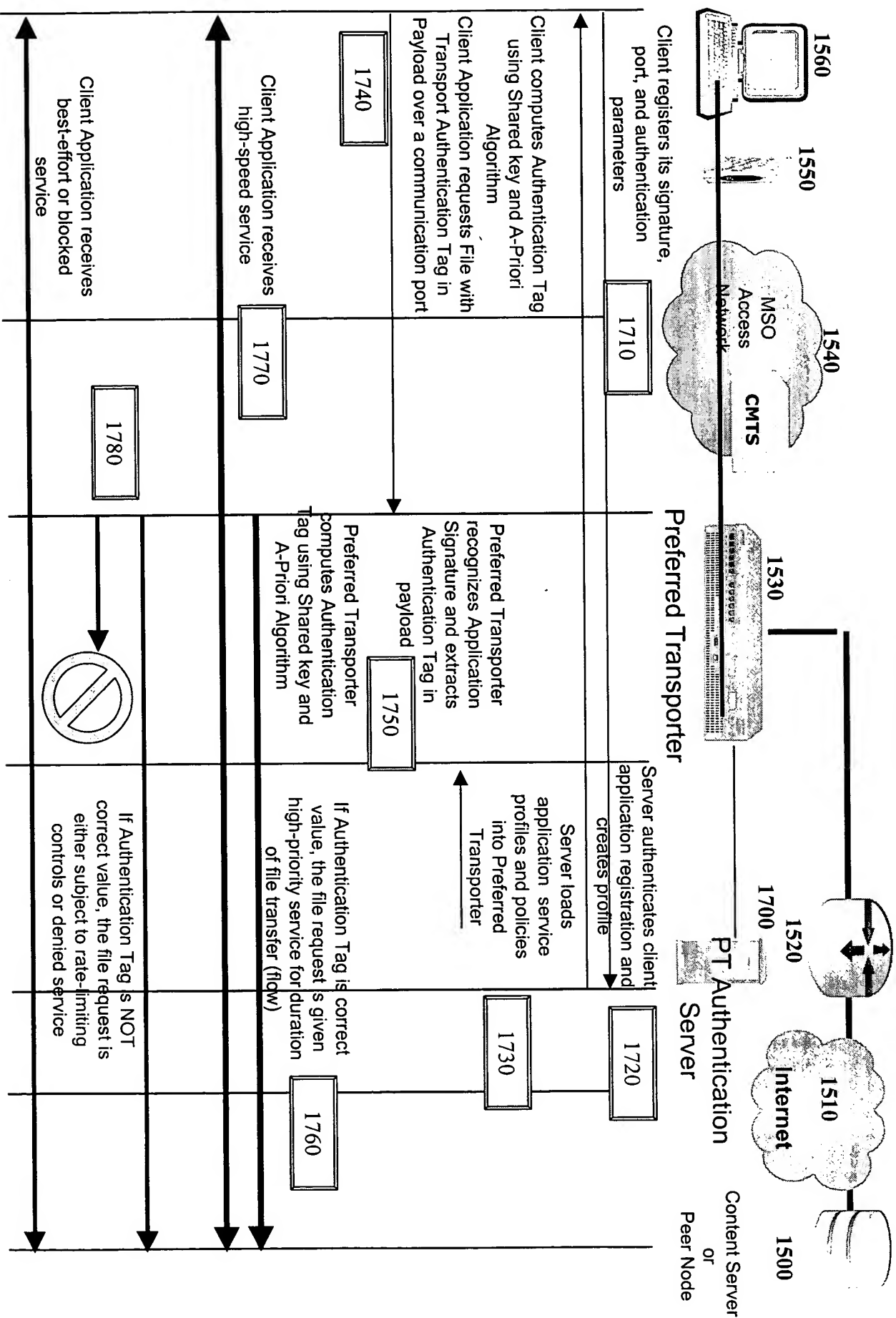


Figure 21a

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

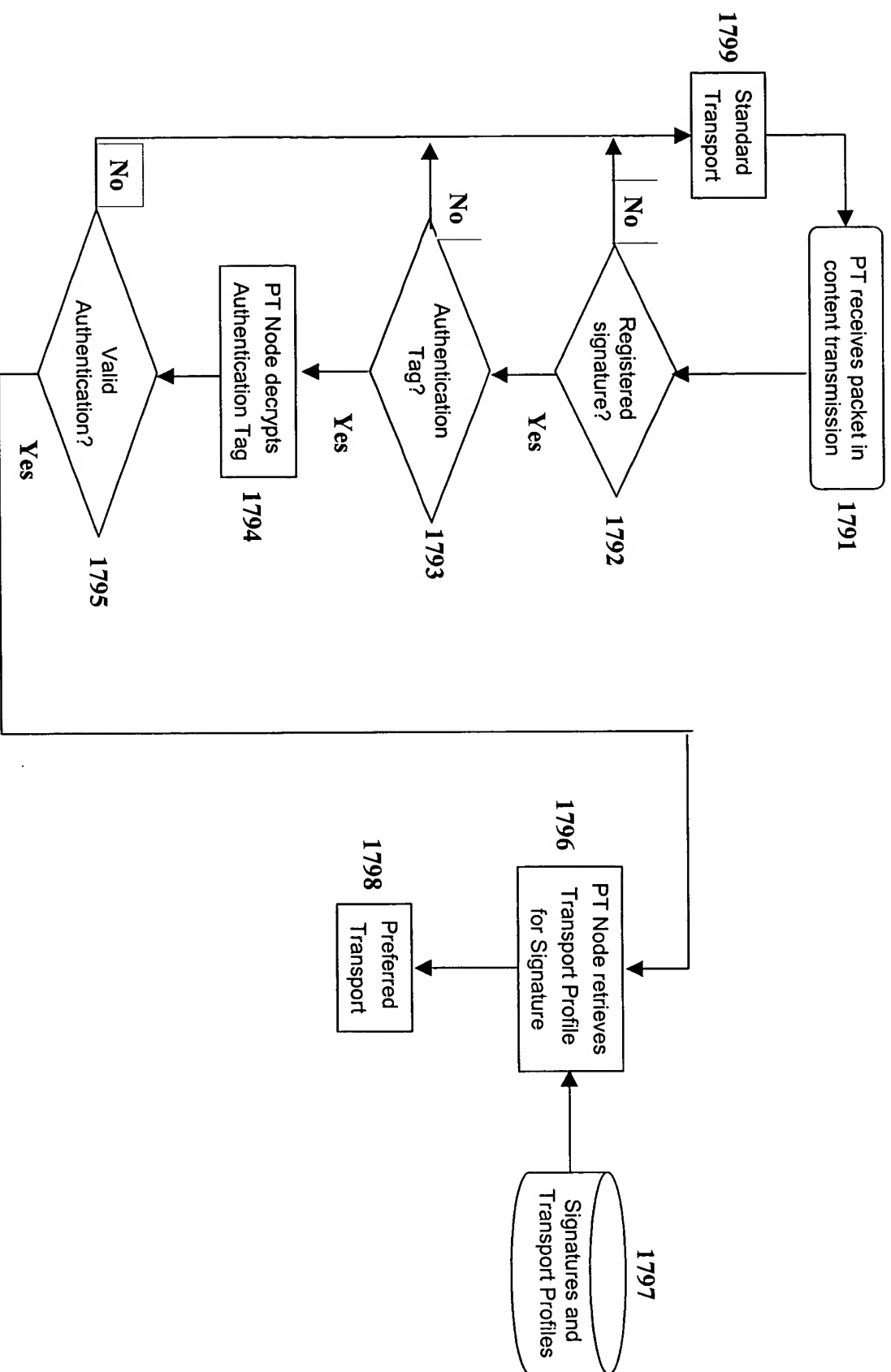


Figure 22

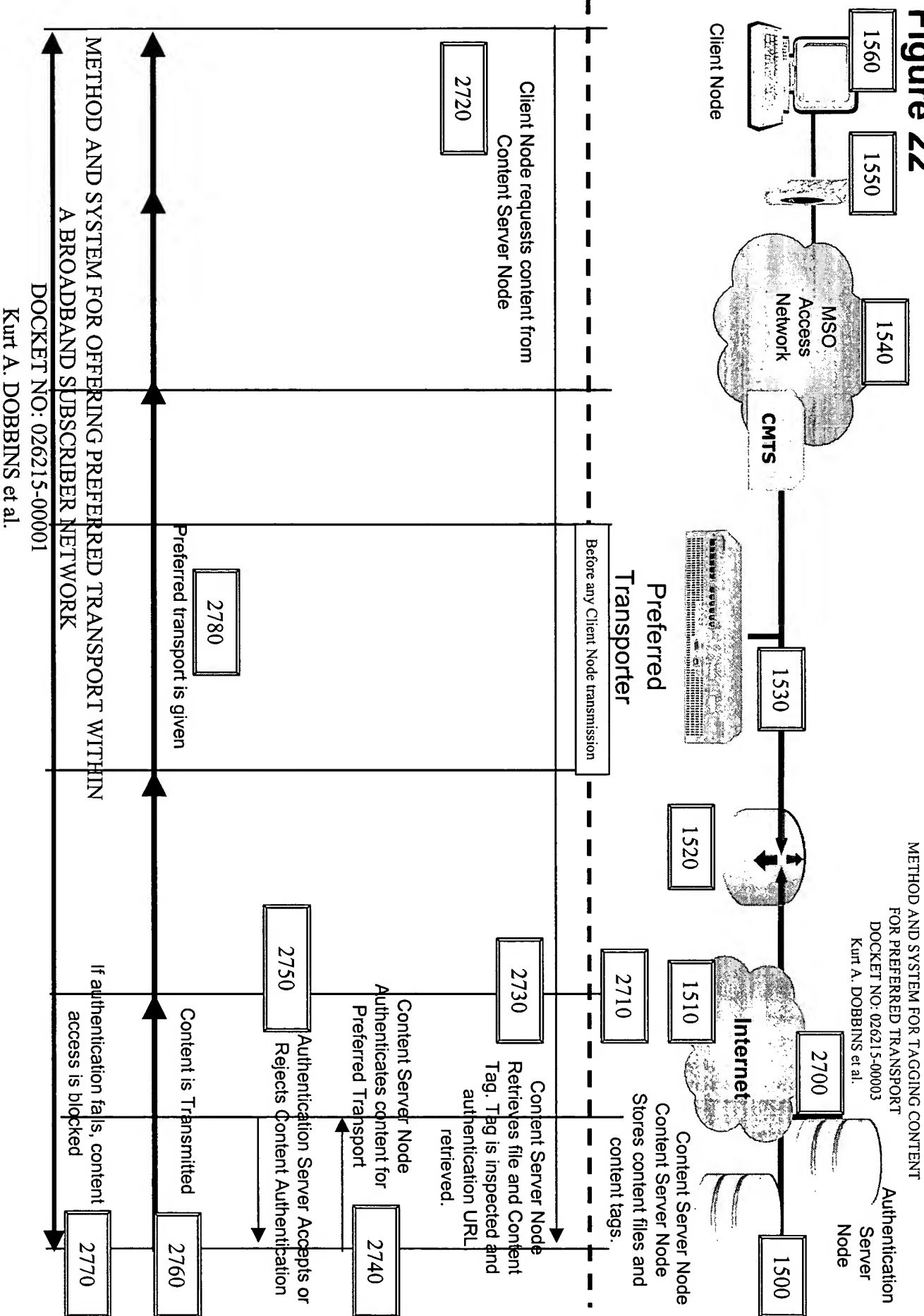


Figure 22a

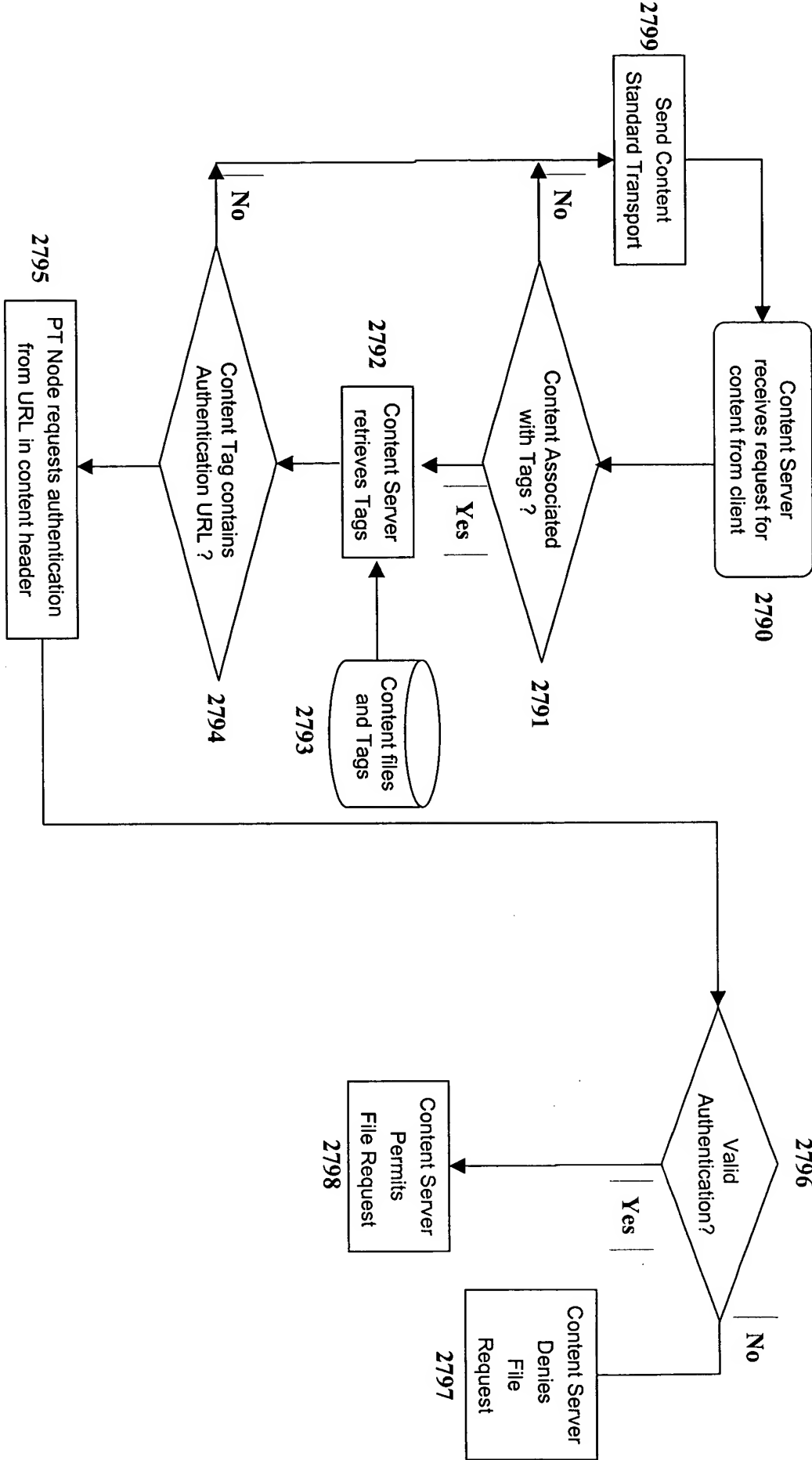
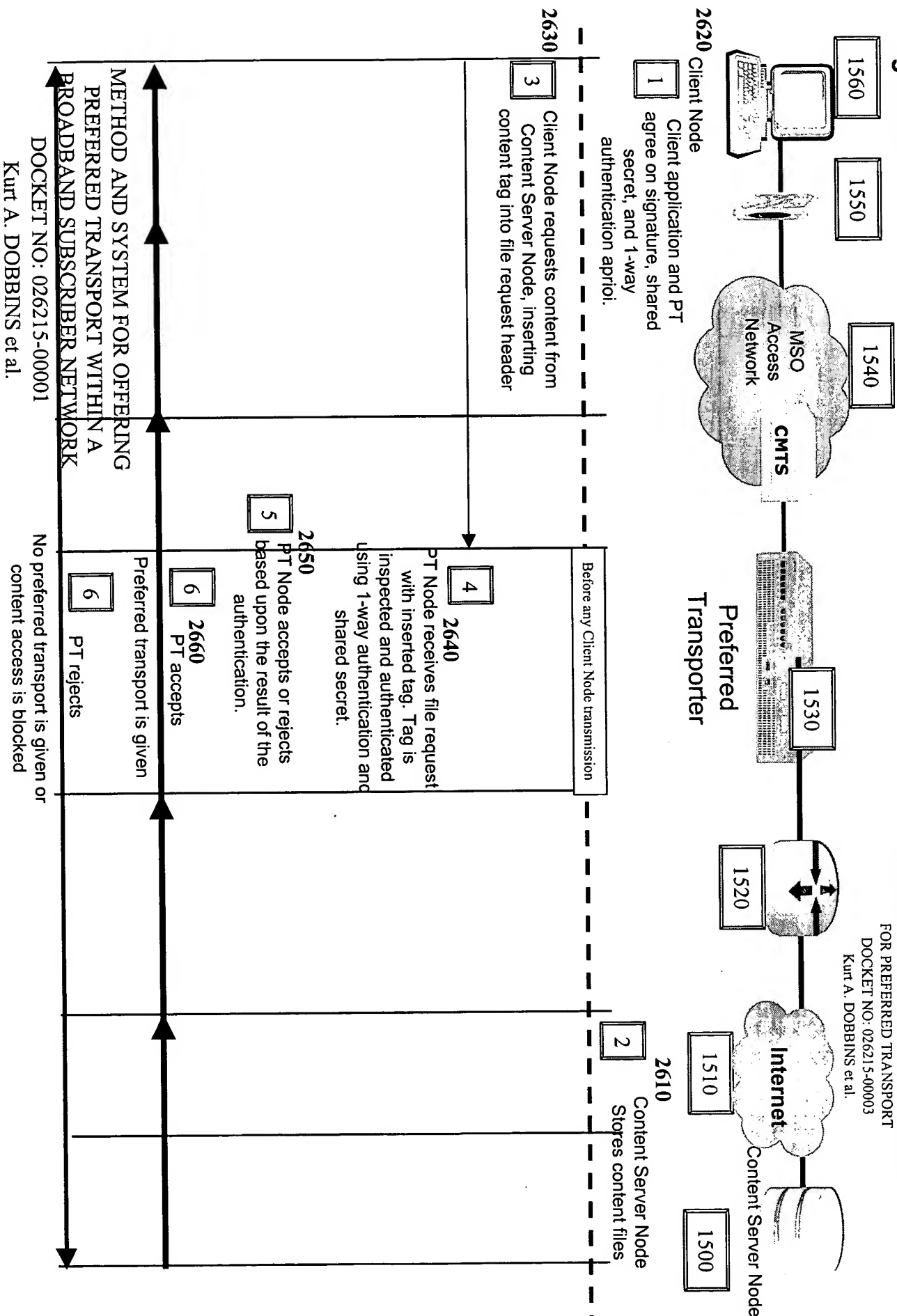


Figure 23

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.



DOCKET NO: 026215-00001

Kurt A. DOBBINS et al.

Figure 23a

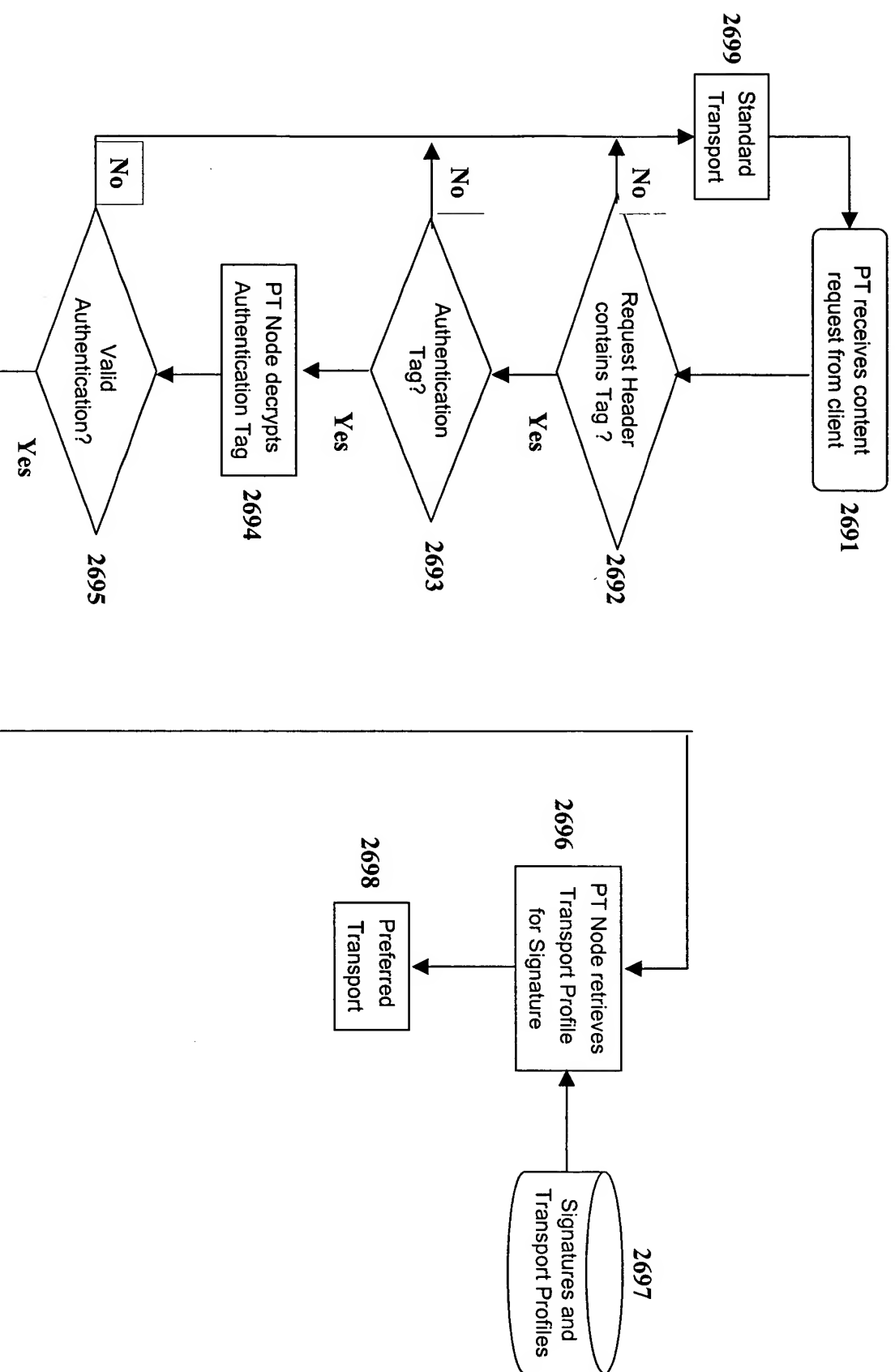
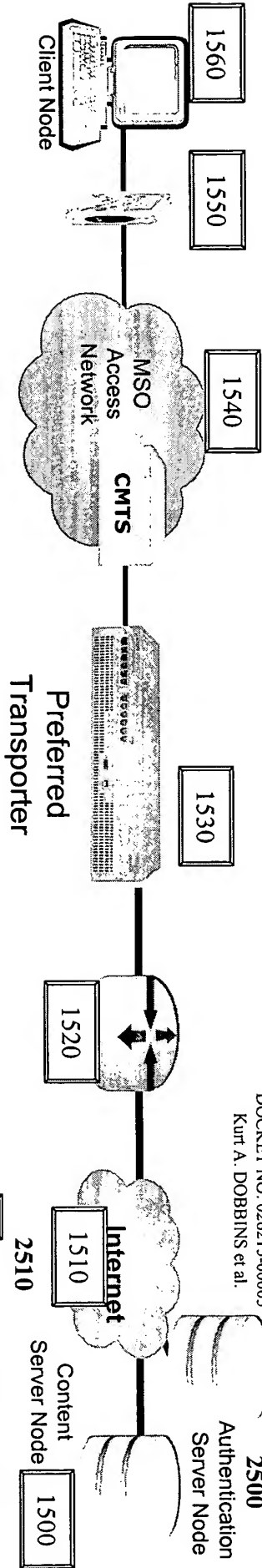


Figure 24



METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

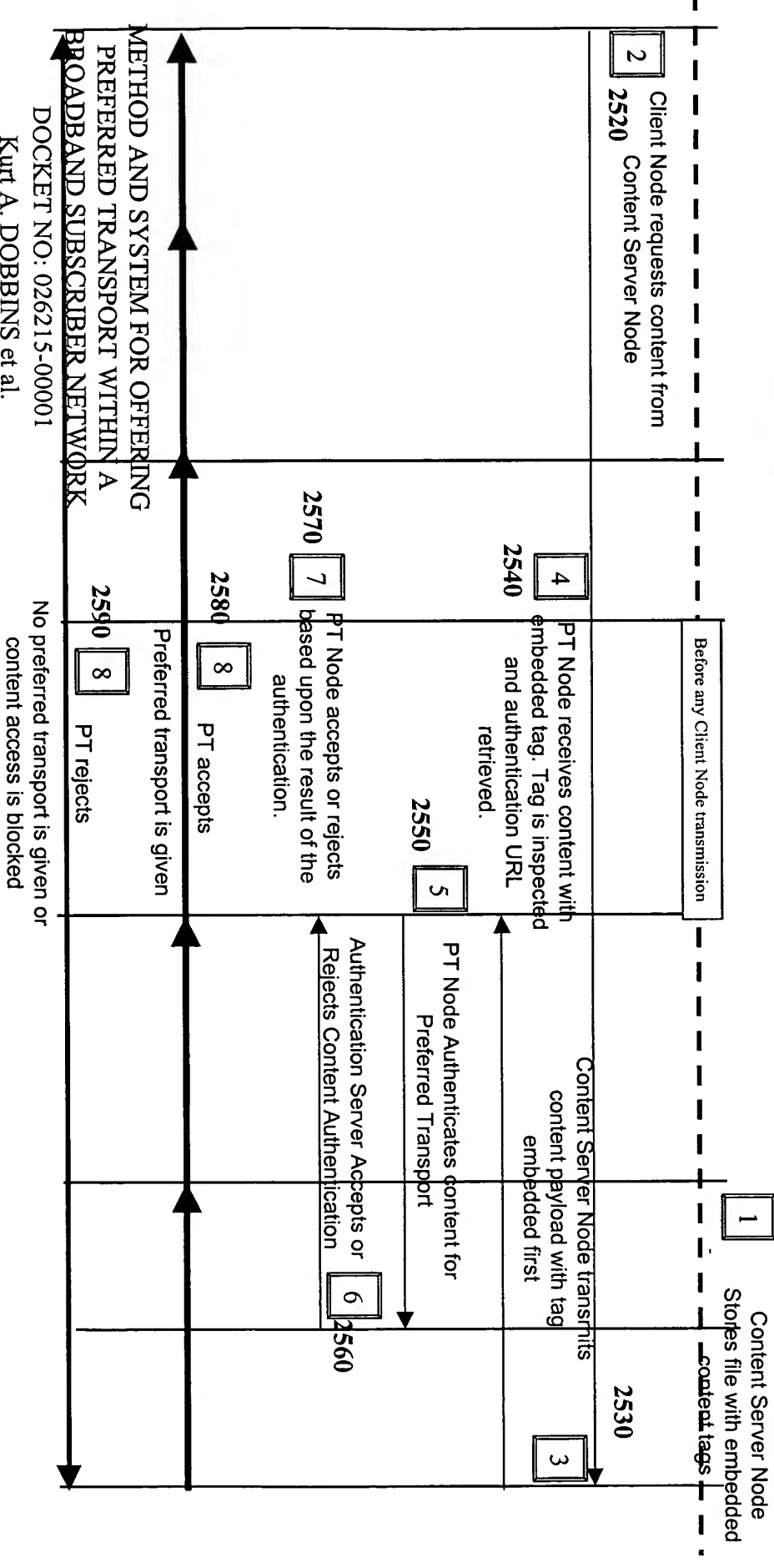


Figure 24a

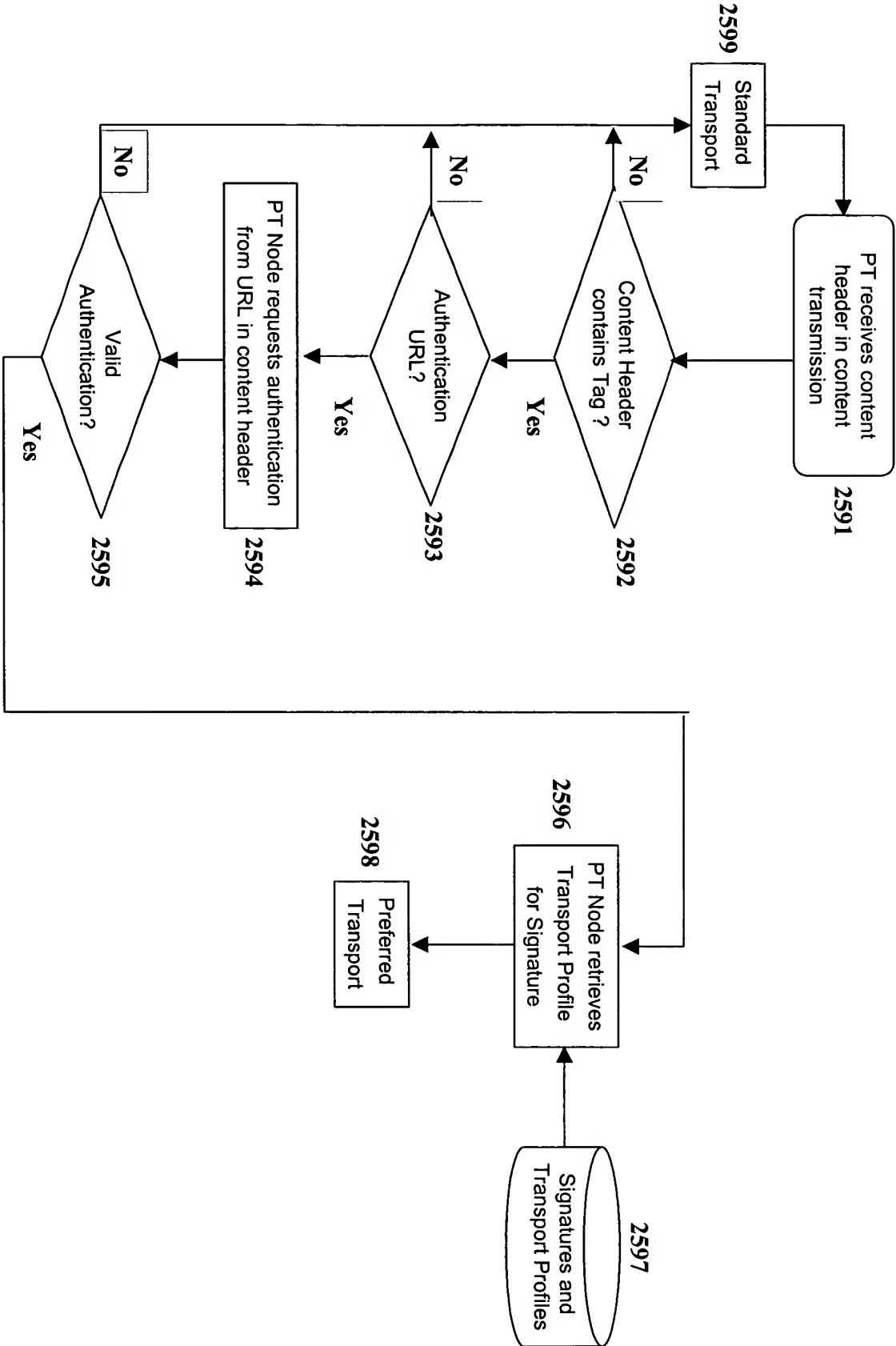


Figure 25

- **Leverage OLD Tree for Self-naming Tags**
 - Gives digital representation to textual names
 - Allows arbitrary hierarchy
 - Extensible with new content types
 - Packet encoding will use ASN.1 BER
- **Name Space Maintained by host**
 - Publish as Informational IETF MIB

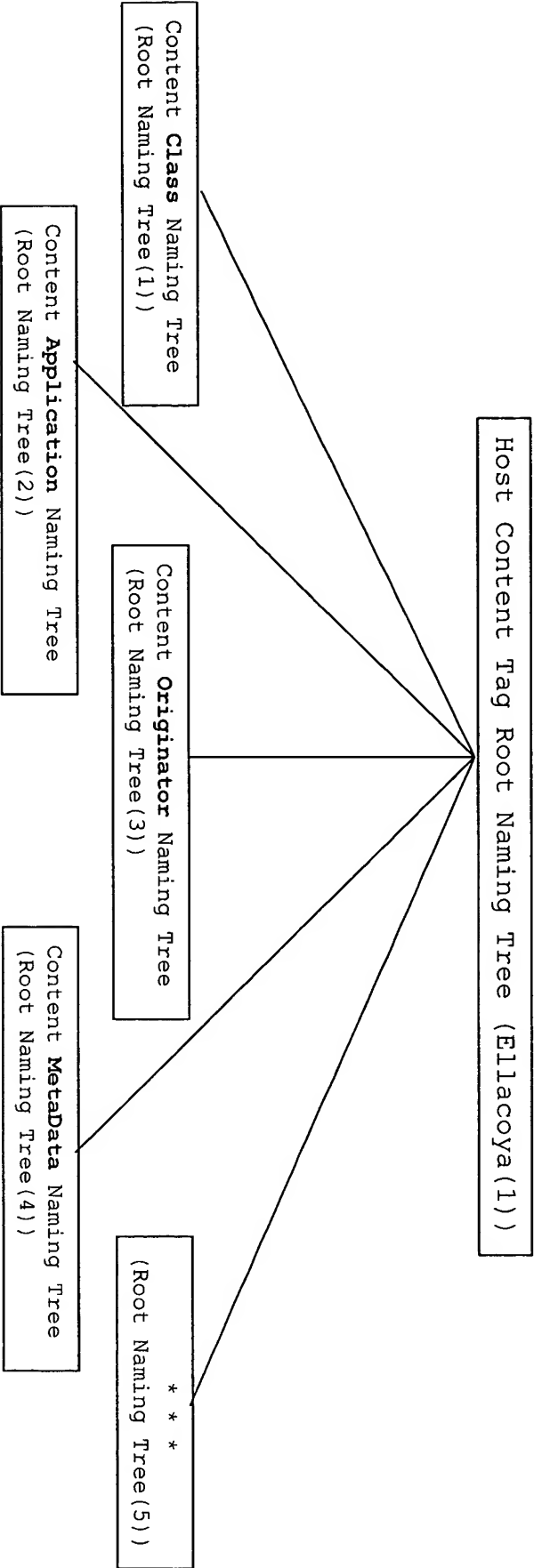


Figure 26

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

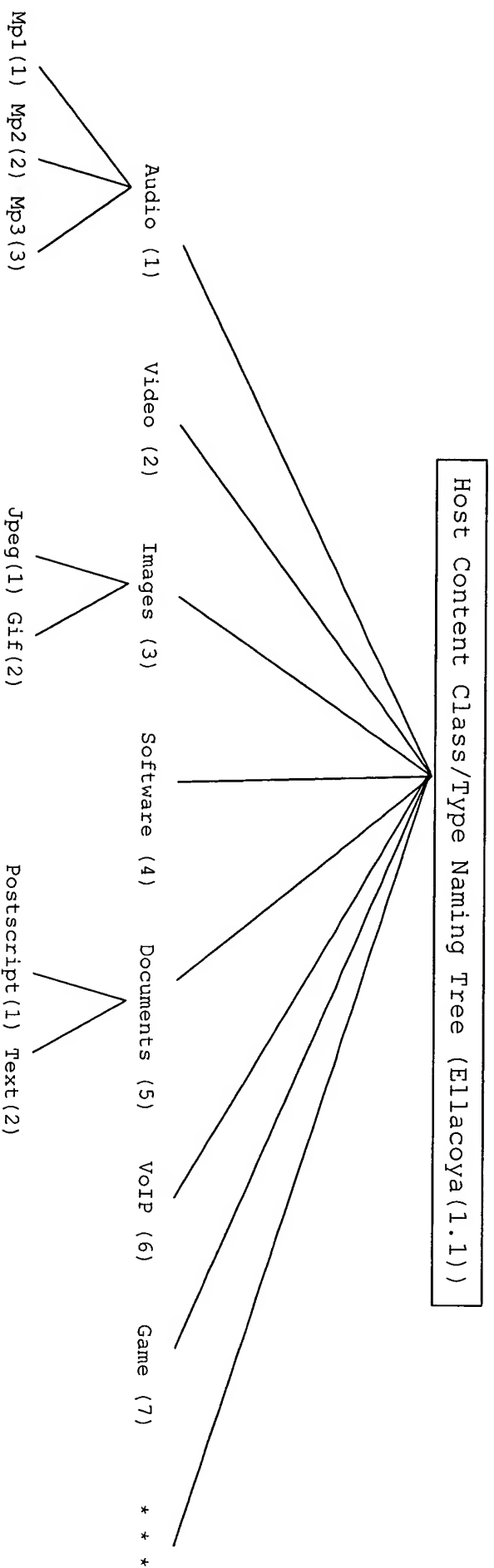


Figure 27

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO.: 026215-00003
Kurt A. DOBBINS et al.

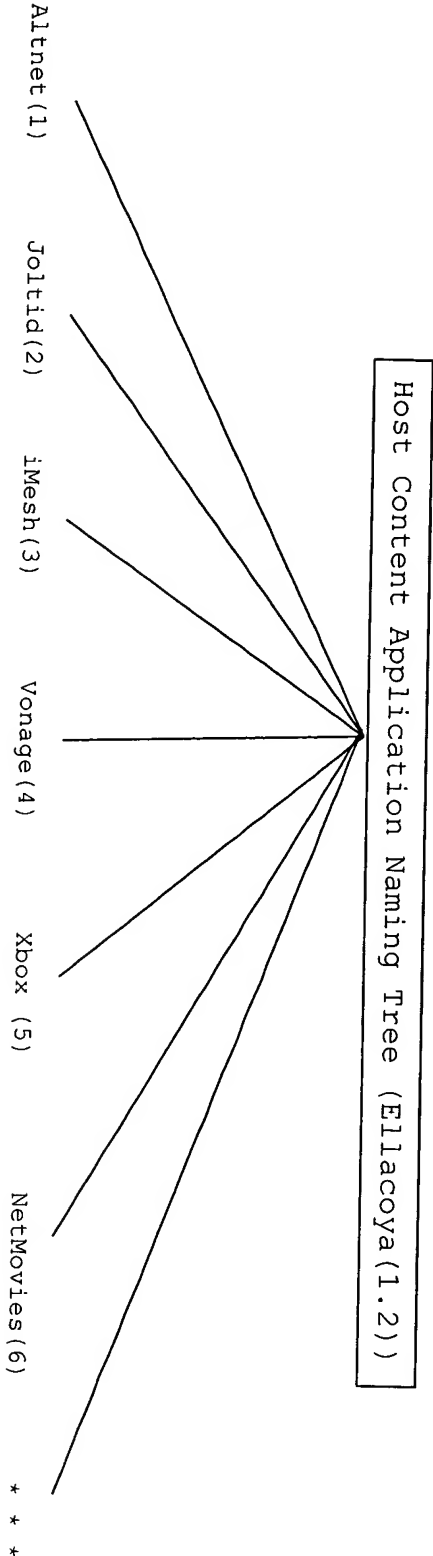


Figure 28

METHOD AND SYSTEM FOR TAGGING CONTENT
FOR PREFERRED TRANSPORT
DOCKET NO: 026215-00003
Kurt A. DOBBINS et al.

